

PCT/PTO 07 APR 2005

United States Patent and Trademark  
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Biotechnology Systems Branch

## FAX TRANSMISSION COVER SHEET

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**RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical  
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Application Serial Number: 09/856.864  
Source: PCT  
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,864

DATE: 04/07/2005

TIME: 11:07:24

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1 <110> APPLICANT: CELLTECH THERAPEUTICS LIMITED  
2 <120> TITLE OF INVENTION: RECOMBINANT FUSION PROTEINS  
3 <130> FILE REFERENCE: P023523WO  
4 <140> CURRENT APPLICATION NUMBER: US/09/856,864  
5 <141> CURRENT FILING DATE: 2001-09-28  
6 <150> PRIOR APPLICATION NUMBER: GB9826112.6  
7 <151> PRIOR FILING DATE: 1998-11-27  
8 <160> NUMBER OF SEQ ID NOS: 14  
9 <170> SOFTWARE: PatentIn ver. 2.1  
11 <210> SEQ ID NO: 1  
12 <211> LENGTH: 4  
13 <212> TYPE: PRT  
14 <213> ORGANISM: Artificial Sequence  
15 <220> FEATURE:  
16 <223> OTHER INFORMATION: Description of Artificial Sequence: cleavage site  
17 <400> SEQUENCE: 1  
18     Asp Lys Thr His  
19     1  
21 <210> SEQ ID NO: 2  
22 <211> LENGTH: 4  
23 <212> TYPE: PRT  
24 <213> ORGANISM: Artificial Sequence  
25 <220> FEATURE:  
26 <223> OTHER INFORMATION: Description of Artificial Sequence: cleavage site  
27 <400> SEQUENCE: 2  
28     Asp Arg Ser His  
29     1  
31 <210> SEQ ID NO: 3  
32 <211> LENGTH: 4  
33 <212> TYPE: PRT  
34 <213> ORGANISM: Artificial Sequence  
35 <220> FEATURE:  
36 <223> OTHER INFORMATION: Description of Artificial Sequence: cleavage site  
37 <400> SEQUENCE: 3  
38     Glu Lys Ser His  
39     1  
41 <210> SEQ ID NO: 4  
42 <211> LENGTH: 4  
43 <212> TYPE: PRT  
44 <213> ORGANISM: Artificial Sequence  
45 <220> FEATURE:  
46 <223> OTHER INFORMATION: Description of Artificial Sequence: cleavage site  
47 <400> SEQUENCE: 4

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,864

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Input Set : N:\DA\US09856864.raw

Output Set: N:\CRF4\04062005\I856864.raw

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48     Asp Lys Ser His
49     1
51 <210> SEQ ID NO: 5
52 <211> LENGTH: 118
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Description of Artificial Sequence: plasmid DNA
57 <400> SEQUENCE: 5
58     tagtctgcag gtgctgacct gcccgccgtg tccggataaa acccatacca tcgaaggcag 60
59     tactagcgat tataaagatg atgatgataa atgatgagga tccaagcttg cggccgcg 118
61 <210> SEQ ID NO: 6
62 <211> LENGTH: 119
63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Description of Artificial Sequence: plasmid DNA
67 <400> SEQUENCE: 6
68     aattcgcggc cgcaagcttg gactctcacc atttatcacc atcatcttta taatcgctag 60
69     tactgccttc gatggtatgg gttttatccg gacacggcgg gcaggtcagc acctgcaga 119
71 <210> SEQ ID NO: 7
72 <211> LENGTH: 16
73 <212> TYPE: PRT
74 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Description of Artificial Sequence: C-terminus of
77     Fab' 40.4 hinge delta inter' heavy chain
78 <400> SEQUENCE: 7
79     Glu Pro Lys Thr Ser Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
80     1             5             10             15
82 <210> SEQ ID NO: 8
83 <211> LENGTH: 33
84 <212> TYPE: PRT
85 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Description of Artificial Sequence: C terminus of
88     'Fab 40.4 hinge 1 delta inter Null 2 FLAG' heavy
89     chain
90 <400> SEQUENCE: 8
91     Glu Pro Lys Thr Ser Leu Gln Val Leu Thr Cys Pro Pro Cys Asp Lys
92     1             5             10             15
93     Thr His Thr Ile Glu Gly Ser Thr Ser Asp Tyr Lys Asp Asp Asp Asp
94     20             25             30
95     Lys
97 <210> SEQ ID NO: 9
98 <211> LENGTH: 11
99 <212> TYPE: PRT
100 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,864

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Input Set : N:\DA\US09856864.raw

Output Set: N:\CRF4\04062005\I856864.raw

102 <223> OTHER INFORMATION: Description of Artificial Sequence: Null 2 peptide  
W--> 103 <221> NAME/KEY: MOD\_RES  
104 <222> LOCATION: (1)  
105 <223> OTHER INFORMATION: ACETYLATION;  
W--> 106 <221> MOD\_RES  
107 <222> LOCATION: (11)  
108 <223> OTHER INFORMATION: AMIDATION  
W--> 109 <400> 9  
110 Val Glu Pro Lys Thr Ser Leu Gln Val Leu Thr  
111 1 5 10  
113 <210> SEQ ID NO: 10  
114 <211> LENGTH: 11  
115 <212> TYPE: PRT  
116 <213> ORGANISM: Artificial Sequence  
117 <220> FEATURE:  
118 <223> OTHER INFORMATION: Description of Artificial Sequence: CUT 1 peptide  
W--> 119 <221> NAME/KEY: MOD\_RES  
120 <222> LOCATION: (1)  
121 <223> OTHER INFORMATION: ACETYLATION  
W--> 122 <221> MOD\_RES  
123 <222> LOCATION: (11)  
124 <223> OTHER INFORMATION: AMIDATION  
W--> 125 <400> 10  
126 Val Glu Pro Lys Thr Ser Asp Lys Thr His Thr  
127 1 5 10  
129 <210> SEQ ID NO: 11  
130 <211> LENGTH: 8  
131 <212> TYPE: PRT  
132 <213> ORGANISM: Artificial Sequence  
133 <220> FEATURE:  
134 <223> OTHER INFORMATION: Description of Artificial Sequence: cleaved CUT 1  
135 peptide  
W--> 136 <221> NAME/KEY: MOD\_RES  
137 <222> LOCATION: (1)  
138 <223> OTHER INFORMATION: ACETYLATION  
W--> 139 <221> MOD\_RES  
140 <222> LOCATION: (8)  
141 <223> OTHER INFORMATION: Hyl  
W--> 142 <400> 11  
143 Val Glu Leu Lys Thr Ser Asp Lys  
144 1 5  
146 <210> SEQ ID NO: 12  
147 <211> LENGTH: 6  
148 <212> TYPE: PRT  
149 <213> ORGANISM: Artificial Sequence  
150 <220> FEATURE:  
151 <223> OTHER INFORMATION: Description of Artificial Sequence: N terminal  
152 sequence of cleaved FLAG tail  
153 <400> SEQUENCE: 12

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,864

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Input Set : N:\DA\US09856864.raw

Output Set: N:\CRF4\04062005\I856864.raw

154 Thr His Thr Ile Glu Gly  
155 1 5  
157 <210> SEQ ID NO: 13  
158 <211> LENGTH: 17  
159 <212> TYPE: PRT  
160 <213> ORGANISM: Artificial Sequence  
161 <220> FEATURE:  
162 <223> OTHER INFORMATION: Description of Artificial Sequence: FLAG tail  
163 cleavage product of Null 2 Flag peptide  
164 <400> SEQUENCE: 13  
165 Thr His Thr Ile Glu Gly Ser Thr Ser Asp Tyr Lys Asp Asp Asp Asp  
166 1 5 10 15  
167 Lys  
169 <210> SEQ ID NO: 14  
170 <211> LENGTH: 4  
171 <212> TYPE: PRT  
172 <213> ORGANISM: Artificial Sequence  
173 <220> FEATURE:  
174 <223> OTHER INFORMATION: Description of Artificial Sequence: Null site of  
175 Null 2 FLAG  
176 <400> SEQUENCE: 14  
177 Leu Gln Val Leu  
178 1

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/856,864

DATE: 04/07/2005

TIME: 11:07:25

Input Set : N:\DA\US09856864.raw

Output Set: N:\CRF4\04062005\I856864.raw

L:103 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:106 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:109 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:119 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:122 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10  
L:125 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10  
L:136 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:139 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:142 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11

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